

Message Text

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TO AMEMBASSY MOSCOW PRIORITY

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E. O. 11652: N/A

TAGS: TGEN, UR

SUBJECT: S& T AGREEMENT - SELECTED TOPICS IN PHYSICS

FOR SCIATT

1. PRESENT U. S. THINKING ON IMPLEMENTATION OF NEW AREA OF PHYSICS IS AS FOLLOWS. REQUEST EMBASSY CONVEY TO SCST.

2. TWO SMALL JOINT WORKING GROUPS SHOULD BE ESTABLISHED -- ONE IN THEORETICAL PHYSICS AND ONE IN EXPERIMENTAL PHYSICS, UNDER THE GENERAL AEGIS ON THE U. S. SIDE OF THE NATIONAL ACADEMY OF SCIENCES, IN CLOSE COOPERATION WITH THE NATIONAL SCIENCE FOUNDATION. DR. HARVEY BROOKS IS PROVIDING BROAD GUIDANCE IN ORGANIZING THIS FIELD.

3. SINCE DESIRE EXISTS TO BUILD ON EXISTING CONTACTS, THE U. S. SIDE DESIGNATES AS THE CORE OF THEORETICAL WORKING GROUP, DR. DAVID PINES, UNIVERSITY OF ILLINOIS; DR. CONYERS HERRING, BELL TELEPHONE LABS; DR. KIP STEPHEN
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THORNE, CALIFORNIA INSTITUTE OF TECHNOLOGY. ON THE SOVIET SIDE, IT WOULD IN OUR VIEW BE IMPORTANT TO HAVE I. M. KHALATNIKOV AS LEADER, OR AT LEAST AS MEMBER OF THIS GROUP, IN VIEW OF SEVERAL YEARS OF DISCUSSIONS BETWEEN PINES AND KHALATNIKOV ABOUT CLOSER US- USSR COOPERATION IN THEORETICAL PHYSICS AND CONSIDERATION OF ESTABLISHMENT OF

JOINT INSTITUTE FOR THEORETICAL PHYSICS. FURTHER, SINCE KHALATNIKOV, PINES, ET AL WILL ATTEND FOURTH SYMPOSIUM ON THEORY OF SOLIDS AND CONDENSED MATTER IN BERKELEY IN MAY, WE SUGGEST THIS OCCASION BE CONSIDERED FIRST " MEETING" OF WORKING GROUP. SINCE KHALATNIKOV ARRIVING IN U. S. APRIL 29, EMBASSY SHOULD COMMUNICATE THIS IDEA IMMEDIATELY TO SOVIETS UNLESS POSSIBLE PROBLEMS FORESEEN.

4. IN EXPERIMENTAL PHYSICS, HARVEY BROOKS FEELS WE SHOULD DEFINE ONE OR TWO AREAS IN WHICH TO BEGIN. OUR HOPE IS TO HAVE U. S. POSITION DEVELOPED FOR DISCUSSION BY BROOKS WITH SOVIET ACADEMY DURING HANDLER DELEGATION VISIT TO MOSCOW IN JUNE. IF MATERIALS READY IN ADVANCE WILL BE SENT AHEAD.

5. U. S. SIDE WOULD WELCOME ANY SOVIET THINKING ON THIS SUBJECT. ROGERS

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